

CLAIM(S)

What is claimed is:

1. An aqueous slurry comprising pigmentary aluminum trihydrate, aluminum trihydrate slurries comprising:
 - 5 (a) at least 50% by weight of the slurry of dispersed aluminum trihydrate particles having an average particle size of at least 0.5 micron;
 - (b) a dispersant comprising an acrylic dispersing resin, and optionally citric acid;
 - (c) a synthetic hectorite clay;
 - (d) optionally a compound to adjust pH;
 - (e) a biocide; and
 - (f) water.
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- 15 2. The slurry of claim 1 wherein the slurry is FDA compliant for indirect food contact.
3. The slurry of claim 1 comprising at 67-68% by weight dispersed aluminum trihydrate pigmentary particles.
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4. A blended slurry comprising an aqueous slurry of pigmentary rutile titanium dioxide particles and an aqueous pigmentary aluminum trihydrate slurry comprising:
 - 25 (a) at least 50% by weight of dispersed aluminum trihydrate pigmentary particles having an average particle size of at least 0.5 micron;
 - (b) a dispersant comprising an acrylic dispersing resin, and optionally citric acid;
 - (c) a synthetic hectorite clay;
 - (d) optionally a compound to adjust pH;
 - (e) a biocide; and
 - (f) water.
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5. The slurry of claim 4 wherein the weight percentage of the rutile
titanium dioxide slurry is from about 75 to about 50% and the weight
percentage of the aluminum trihydrate slurry is from about 25 to about
5 50%.

6. A process for making paper comprising mixing pulp and the
slurry of claim 5 to form a stock and dewatering and drying the stock to
form a sheet.

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7. A paper coating having as the titanium dioxide containing
component an aqueous slurry of pigmentary rutile titanium dioxide
particles and an aqueous pigmentary aluminum trihydrate slurry
comprising:

15 (a) at least 50% by weight of dispersed aluminum trihydrate
pigmentary particles having an average particle size of at
least 0.5 micron;

(b) a dispersant comprising an acrylic dispersing resin, and
optionally citric acid;

20 (c) a synthetic hectorite clay;

(d) optionally a compound to adjust pH;

(e) a biocide; and

(f) water.